

Characteristics

2 rooms with central air conditioning

Results:

Room 11

98,5% Airborne Microorganism Reduction
Bacteria and mold included

Room 09

99,9% Airborne Microorganism Reduction
Bacteria and mold / spores included



NA 00 0338

C & M Representacoes, Lda., Lisboa, Portugal

By order of C & M Representacoes, Lda, Lisboa, Dr. Carlos Matias, of August, 2000 we executed during September to November 2000 air analyses in two different rooms of the NATEC Institut. These rooms are office rooms with normal equipment, with carpets and air condition, which is connected to a central air condition system that constantly carries possible contamination from rooms without Airfree to those 2 rooms being tested.

In each of the rooms, which are of ca. 30 m³, it has been installed an Airfree Air Sterilizer, which is manufactured under license of U.S. Patent 5,874,050 of 23/02/199. Concerning the technical installation we acted according to the polyglot prospectus which had been put at our disposal, called „Airfree Air Sterilizer“.

During 6 weeks which the apparatus was running in the two rooms, it has been determined at the beginning and at the end of each week the total colony count respectivel yeasts and moulds, with petri-dishes (1/2 h. opening for sedimentation) as well as with an airsampler of RCS.

Results:

The results have been stated according to each room on two different pages and also with graphic, and they are showing that from the beginning of installing a continuous reduction, especially of the total colony count, can be observed, whereas these values are stated especially at examination of the airsampler per m³.


After 6 weeks of continuous running of the Airfree Air Sterilizer the apparatus has been stopped, and for further 4 weeks the air in both rooms has been examined with both methods. The results are showing that after stopping of the Airfree Air Sterilizer the total colony count, but also the number of moulds, in the air of the rooms clearly increased.

Summary:

Due to the obtained results it can be confirmed a microbiological improvement of the air in rooms under continuous running of the Airfree Air Sterilizer.

Hamburg, 15th November, 2000

NATEC Institut
für naturwissenschaftlich-
technische Dienste GmbH


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Akkreditiert nach
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für die in der Urkunde
genannten Prüfarten
und -verfahren.



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NATEC Institut für atomwissenschaftliche, technische Dienste GmbH

Test-Report M00-04990 / Room No. 11

"Airfree" switched on

"Airfree" switched off

